an input interface connected to the input device, an input signal produced by the input device being converted to a signal transmissible by the bus line of the computer through the input interface,

wherein said signal transmission device includes a computer side input transmission circuit connected to the bus line of the computer, and a body side input transmission circuit connected to the input device through the input interface, said body side input transmission circuit having a second converting device for converting a signal transmitted from the input interface to a communication signal and a second sending device for sending the communication signal, said computer side input transmission circuit having a second receiving device for receiving the communication signal sent from the second sending device, a second restoring device for restoring the received communication signal to a signal corresponding to the signal transmitted from the input interface, and a second buffer memory for storing as input data the signal from the second restoring device, said input data stored in the buffer memory being read by the computer through the bus line.

A2 cmdd

9. A body mounting display system according to claim 1, wherein said computer receives a plurality of different kinds of signals, said signals being transferred to the body side output transmission circuit without processing and being processed to obtain each kind of signals at the user side.

10. A body mounting display system according to claim 4, wherein said computer receives a plurality of different kinds of signals, said signals being transferred to the body side output transmission circuit without processing and being processed to obtain each kind of signals at the user side.

REMARKS

In paragraph 2 of the Action, claims 1-7 were rejected under 35 U.S.C. 112, second paragraph. In paragraph 4 of the Action, claim 1 was rejected under 35 U.S.C. 102(e) as being anticipated by Yasukawa et al. In paragraph 6 of the Action, claims 2-4 were rejected under

35 U.S.C. 103(a) as being unpatentable over Yasukawa et al. In paragraph 7 of the Action, claims 5-7 were indicated to be allowable if rewritten to overcome the rejection under 35 U.S.C. 112, second paragraph and to include all of the limitation of the base claims.

In view of the rejections and indication of allowability, claims 1-7 have been amended, and new claims 8-10 have been filed. Claim 8 is a combination of claims 4 and 5.

As clearly recited in amended claim 1, a body mounting display system of the invention comprises a display device to be worn by a user and having at least one interface and a first bus line connected to the at least one interface; a computer situated away from the display device and having a second bus line for outputting signals corresponding to at least display data; and a radio transmission device disposed between the display device and the computer. The radio transmission device includes a computer side output transmission circuit connected to the computer through the second bus line, and a body side output transmission circuit connected to the display device through the first bus line and the at least one interface.

In the invention, the signals at the computer passing through the second bus line are transmitted to the first bus line at the display device by wireless as they are, and are processed at a user side to be displayed at the display device through the at least one interface.

Namely, in the invention, all the signals in the computer before interfaces for the outer devices, such as display element, speaker and so on, are transferred to the body side output transmission circuit, and the transferred signals are selected by the proper interfaces and are used for display and so on.

In Yasukawa et al., a head mounted image display device 2 is connected to an outside computer 3. The image display device 2 includes a drive circuit 105 having a CPU 132, image memory 134 and image storage device 133, an LCD 102, an angle sensor 107 and a photosensor 109, which are connected to the drive circuit 105. The image storage device 133 has image data from the computer and the image memory 134 stores image data required to display a single screen on LCD 102.

When the system of Yasukawa et al. is compared with the present

invention, as shown in Figs. A and B, the drive circuit 105 in Yasukawa et al. corresponds to the display element in Fig. A. Namely, the computer 3 includes the interfaces, one of which is connected to the display element, i.e. drive circuit 105, as if it is divided at numeral 2 in Fig. A. The drive circuit 105 is located outside the outer interface.

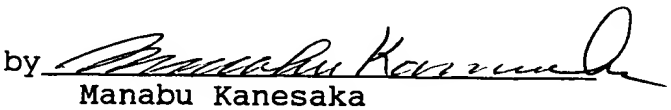
In the invention, in Fig. A, it is arranged such that the internal bus line of the computer is divided into two sections at numeral 1, i.e. display device and computer in the claims. Therefore, all kinds of signals in the computer are transferred to the display device without interfaces, and are processed at the display device. Thus, the wiring between the computer and the display device is simplified.

Namely, in the invention, all kinds of signals in the computer are transferred to the display device as they are, and in the display device, all kinds of signals transferred from the computer are processed and separated into the respective signals. In Yasukawa et al., the separated signals in the computer 3 are transferred to the drive circuit 105. In this respect, the invention is different from Yasukawa et al. Therefore, the wiring is not simplified in Yasukawa et al. Also, in the invention, the memory and other parts are deleted or simplified. The system in Yasukawa et al. is entirely different from that of the invention.

The invention is patentable over the cited reference.

Reconsideration and allowance are earnestly solicited.

Respectfully submitted,
KANESAKA AND TAKEUCHI

by 
Manabu Kanesaka
Reg. No. 31,467
Agent for Applicants

1423 Powhatan Street
Alexandria, VA 22314
(703) 519-9785

1.(amended) A body mounting [type] display system, comprising:

a display device to be worn by a user and having at least one interface and a first bus line connected to the at least one interface;

a computer situated away from the display device and having a second bus line for outputting [a signal] signals corresponding to at least display data; and

a radio transmission device disposed between the display device and the computer, and including a computer side output transmission circuit connected to the computer through the second bus line, and a body side output transmission circuit connected to the display device through the first bus line and the at least one interface so that the [signal] signals at the computer passing through the second bus line are [is] transmitted to the first bus line at the display device by wireless[,] as they are, and are processed at a user side to be displayed at the display device through the at least one interface.

2.(amended) A body mounting [type] display system according to claim 1, wherein said computer side output transmission circuit includes a first buffer memory to which data corresponding to the [signal] signals is written by the computer, a first reading device for reading data stored in the first buffer memory and converting the data to [a] communication [signal] signals, and a first sending device for sending the communication [signal] signals; said body side output transmission circuit includes a first receiving device for receiving the communication [signal] signals sent from the computer side output transmission circuit, and a first restoring device for restoring the received communication [signal] signals to [a] restored [signal] signals corresponding to the [signal] signals outputted from the computer.

3.(amended) A body mounting [type] display system according to claim 2, [further comprising] wherein said at least one interface includes an image output interface connected to the first restoring device and the display device for producing [a signal] signals for actuating the display device based on the restored [signal] signals outputted from the first restoring device.

4.(amended) A body mounting [type] display system, comprising:

a display device to be worn by a user,

an image output interface connected to the display device,

a first bus line connected to the image output interface,

a computer located away from the display device for outputting a signal corresponding to display data for the display device and having a second bus line; and

a signal transmission device disposed between the display device and the computer, and including a computer side output transmission circuit connected to the computer through the second bus line and a body side output transmission circuit connected to the display device through the first bus line and the image output interface, said computer side output transmission circuit having a first buffer memory to which data corresponding to the signal outputted through the second

bus line is written by the computer, a first reading device for reading the data stored in the first buffer memory and converting the data to a communication signal and a first sending device for sending the communication signal, said body side output transmission circuit including a first receiving device for receiving the communication signal sent from the first sending device as it is and a first restoring device for restoring the received communication signal to a signal corresponding to the signal outputted through the second bus line, said image output interface processing and producing a signal at a user side for actuating the display device based on the communication signal.

5.(amended) A body mounting [type] display system according to claim 4, further comprising:

an input device held by the user, and

an input interface connected to the input device, an input signal produced by the input device being converted to a signal transmissible by the second bus line of the computer through the input interface,

wherein said signal transmission device includes a computer side input transmission circuit connected to the second bus line of the computer, and a body side input transmission circuit connected to the input device through the input interface, said body side input transmission circuit having a second converting device for converting a signal transmitted from the input interface to a communication signal and a second sending device for sending the communication signal, said computer side input transmission circuit having a second receiving device for receiving the communication signal sent from the second sending device, a second restoring device for restoring the received communication signal to a signal corresponding to the signal transmitted from the input interface, and a second buffer memory for storing as input data the signal from the second restoring device, said input data stored in the buffer memory being read by the computer through the second bus line.

6.(amended) A body mounting [type] display system according to claim 5, further comprising: an output device different from the display device and worn by the user, and an output interface for connecting the output device to the body side output transmission circuit, said computer outputting a signal corresponding to an output content of the output device through the second bus line, said output interface producing a signal for actuating the output device based on the signal corresponding to the output content among signals restored by the body side output transmission circuit.

7.(amended) A body mounting [type] display system according to claim 5, wherein said communication signal is transmitted from a sending side to a receiving side by radio transmission.